FPW

PATENT APPLICATION

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Naoki HAGAI et al.

Application No.: 10/608,477

Filed: June 30, 2003

For: MULTILEVEL VALUE OUTPUT DEVICE

LETTER TO THE OFFICIAL DRAFTSPERSON

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please substitute the attached <u>11</u> sheets of formal drawings depicting Figures <u>1-10</u> for the corresponding drawings filed with the application.

Respectfully submitted,

Docket No.: 116403

James A. Oliff Registration No. 27,075

Eric D. Morehouse Registration No. 38,565

JAO:EDM/crh

Date: December 27, 2004

OLIFF & BERRIDGE, PLC P.O. Box 19928 Alexandria, Virginia 22320 Telephone: (703) 836-6400 DEPOSIT ACCOUNT USE
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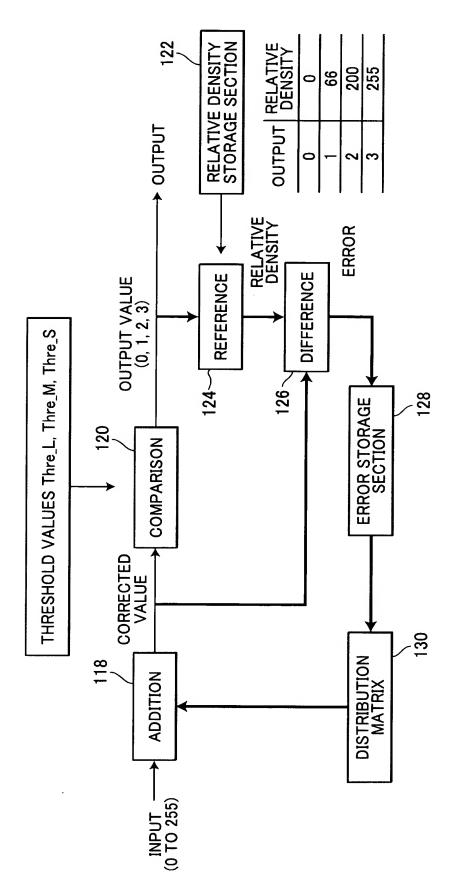
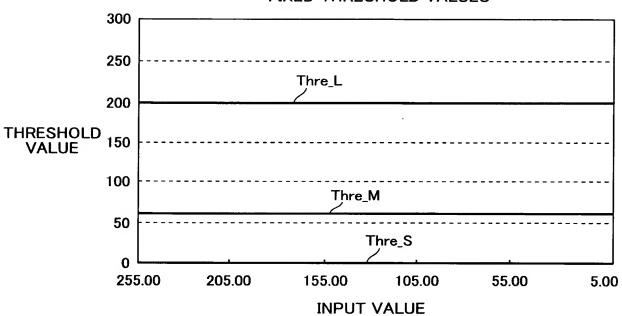


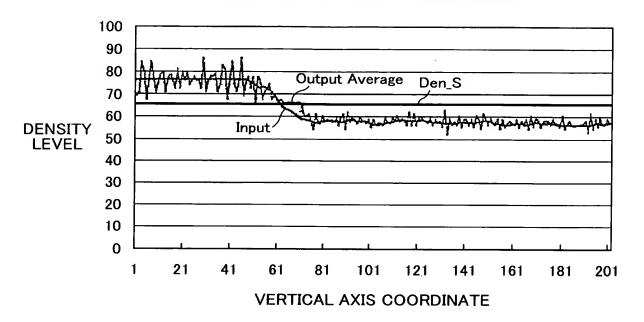
FIG.2





Thre_L : LARGE DOT THRESHOLD VALUE Thre_M : MEDIUM DOT THRESHOLD VALUE Thre_S : SMALL DOT THRESHOLD VALUE

FIG.3
INPUT/OUTPUT VALUE COMPARISON 1



Den_S: RELATIVE DENSITY VALUE

Input: INPUT VALUE

Output Average : Average of OUTPUT DENSITY VALUES

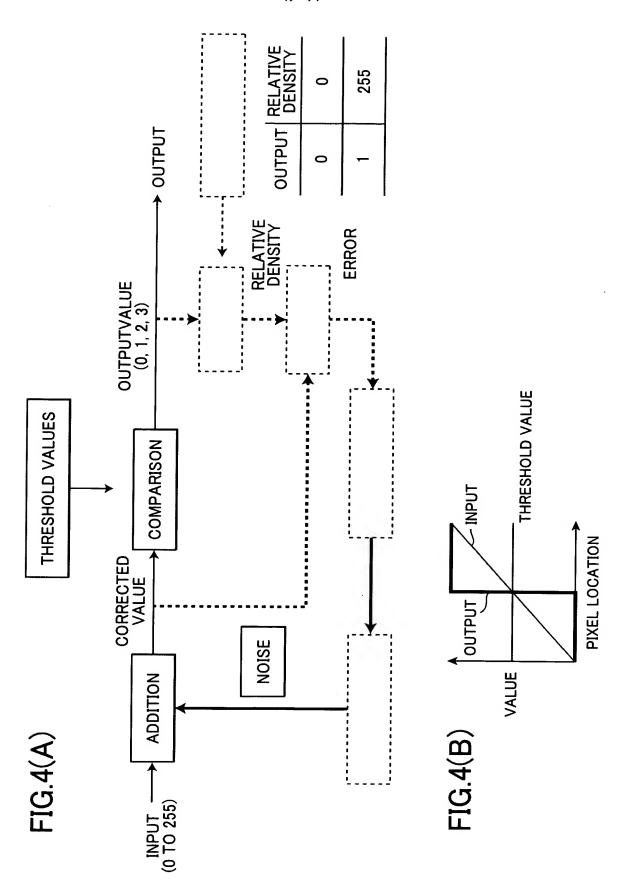
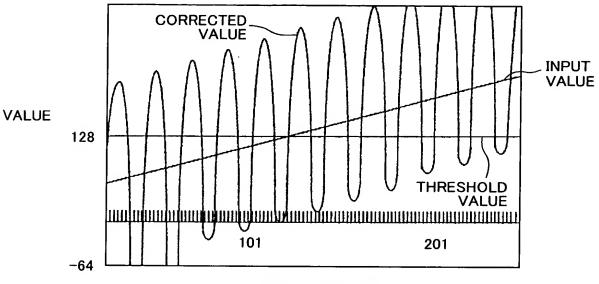
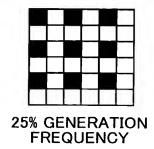


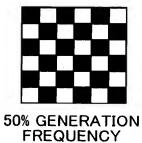
FIG.5(A)

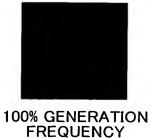


PIXEL LOCATION

FIG.5(B)







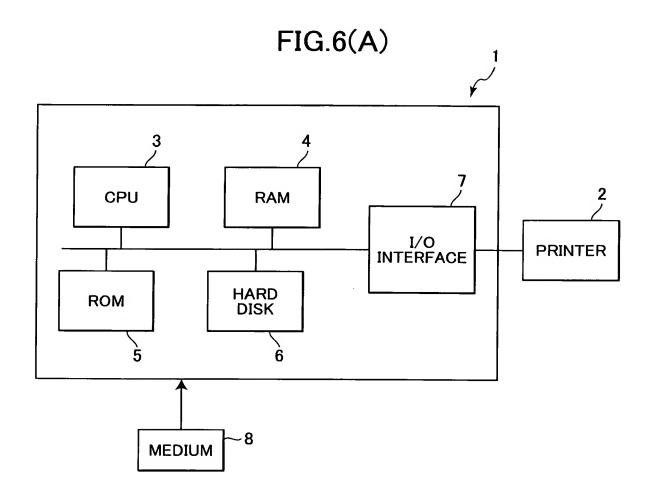


FIG.6(C)

1/16
5/16
7/16
*

(x, y)

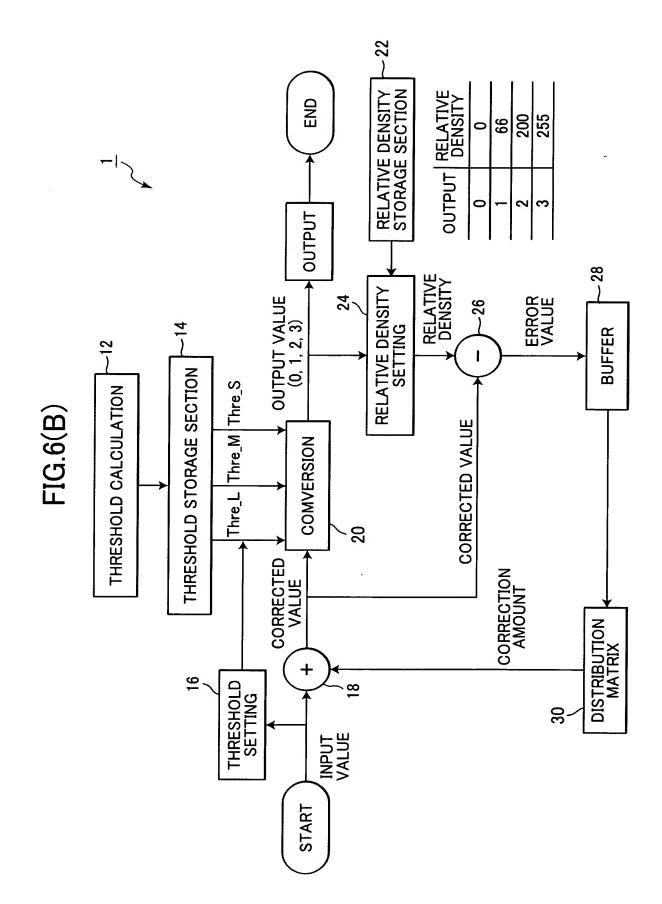
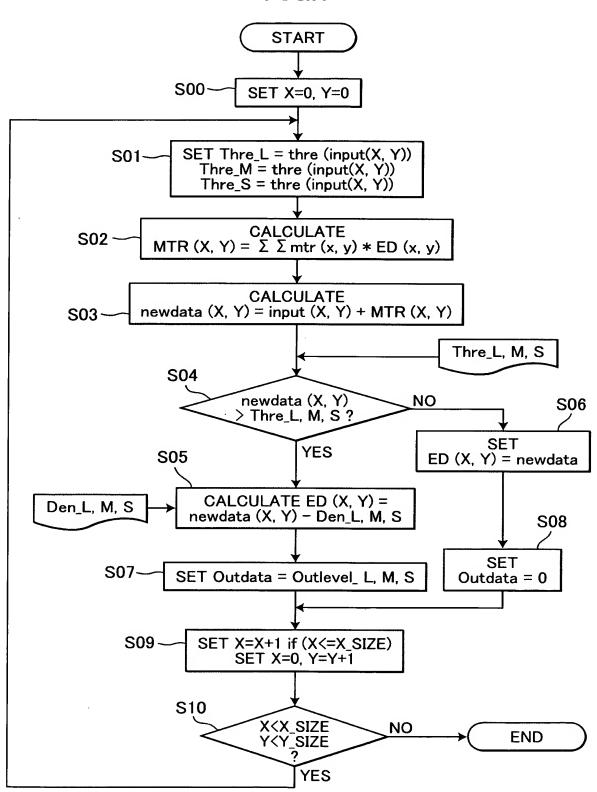
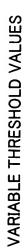
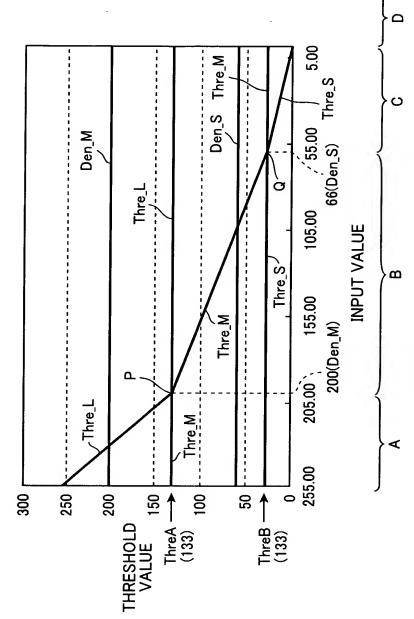


FIG.7







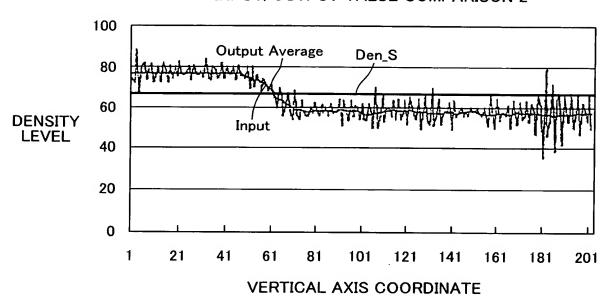


Thre_L: LARGE DOT THRESHOLD VALUE
Thre_M: MEDIUM DOT THRESHOLD VALUE
Thre_S: SMALL DOT THRESHOLD VALUE

Den_M : RELATIVE DENSITY (MEDIUM)
Den_S : RELATIVE DENSITY (SMALL)

FIG.9

INPUT/OUTPUT VALUE COMPARISON 2



Den_S: RELATIVE DENSITY VALUE

Input: INPUT VALUE

Output Average : Average of OUTPUT DENSITY VALUE

FIG.10

